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In Application 10/730,605 of Robert W. Love Tel. 937-258-8000 ext.158

Title: Inversely Proportioned Mouthpieces

26 Jan, 2006

Art Unit 2837

Primary Examiner: Kimberly Lockett

Fax 937-258-2962

INFORMAL CLAIM LANGUAGE

A set of mouthpieces for a predetermined kind of brass-wind instrument containing undivided mouthpiece bodies, in which each mouthpiece body includes contiguously conjoined elements of a rim, a cup-chamber, a backbore-chamber, and an external end-taper, and wherein improvement within said set comprises,

- a. a range of incrementally distinct lengths of said undivided mouthpiece bodies,
- b. said undivided mouthpiece bodies having a range of incrementally distinct volumetric cup-chamber sizes, respectively,
- c. said undivided mouthpiece bodies having said incrementally distinct lengths and said incrementally distinct volumetric cup-chamber sizes disposed so
 - (1) shorter said incrementally distinct lengths have larger said volumetric cup-chamber sizes, respectively,
 - (2) longer said incrementally distinct lengths have smaller said volumetric cup-chamber sizes, respectively,

thereby defining a relatively inversely-proportioned relationship between said incrementally distinct lengths and said incrementally distinct volumetric cup-chamber sizes of said individual mouthpiece bodies within the set of mouthpieces.

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Same INFORMAL CLAIM showing linkage to (elements and Figures)

A set of mouthpieces for a predetermined kind of brass-wind instrument containing undivided mouthpiece bodies, in which each mouthpiece body includes contiguously conjoined elements of a rim, a cup-chamber, a backbore-chamber, and an external end-taper, and wherein improvement within said set comprises, (a Jepson-style preamble)

- a. a range of incrementally distinct lengths of said undivided mouthpiece bodies, (elements 40, 50, 60, 70, 80)
- b. said undivided mouthpiece bodies having a range of incrementally distinct volumetric cup-chamber sizes, respectively, (42,52,62,72,82)
- c. said undivided mouthpiece bodies having said incrementally distinct lengths and said incrementally distinct volumetric cup-chamber sizes disposed so
 - (1) shorter said incrementally distinct lengths have larger said volumetric cup-chamber sizes, respectively, (Fig. 4, 5, 6)
 - (2) longer said incrementally distinct lengths have smaller said volumetric cup-chamber sizes, respectively, (Fig. 7, 8)

thereby defining a relatively inversely-proportioned relationship between said incrementally distinct lengths and said incrementally distinct volumetric cup-chamber sizes of said individual mouthpiece bodies within the set of mouthpieces. (Fig. 4, 5, 6, 7, 8)

NOTE: "juxtaposed", "corresponding" or combined could substitute for "disposed"

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Same INFORMAL CLAIM with a whereby at the end

A set of mouthpieces for a predetermined kind of brass-wind instrument containing undivided mouthpiece bodies, in which each mouthpiece body includes contiguously conjoined elements of a rim, a cup-chamber, a backbore-chamber, and an external end-taper, and wherein improvement within said set comprises,

- a. a range of incrementally distinct lengths of said undivided mouthpiece bodies,
- b. said undivided mouthpiece bodies having a range of incrementally distinct volumetric cup-chamber sizes, respectively,
- c. said undivided mouthpiece bodies having said incrementally distinct lengths and said incrementally distinct volumetric cup-chamber sizes disposed so
 - (1) shorter said incrementally distinct lengths have larger said volumetric cup-chamber sizes, respectively,
 - (2) longer said incrementally distinct lengths have smaller said volumetric cup-chamber sizes, respectively,

thereby defining a relatively inversely-proportioned relationship between said incrementally distinct lengths and said incrementally distinct volumetric cup-chamber sizes of said individual mouthpiece bodies within the set of mouthpieces, *whereby a synergistic relationship between cup depth and mouthpiece length provides a unique and powerful synergy of interrelated features that aid in the selection and enhanced performance of a mouthpiece for the predetermined kind of brass-wind instrument.*

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